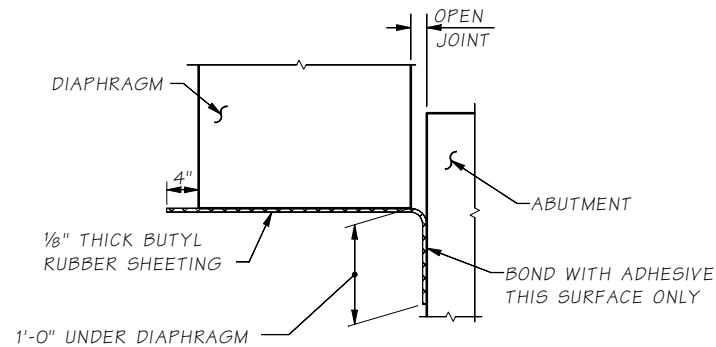


#### # NOTE TO DESIGNER

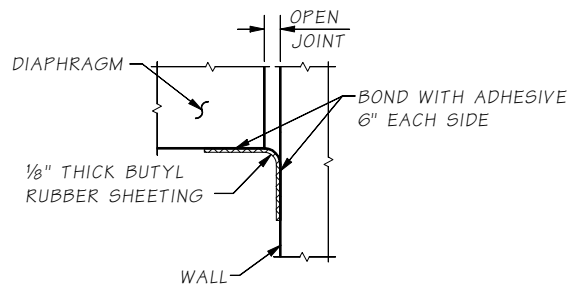
If ground line is less than 2'-0" minimum below the bottom of girder at front face of abutment a curtain wall shall be provided.

### TYPICAL END TYPE "A" DIAPHRAGM AT END PIERS



#### ELEVATION

### BUTYL RUBBER @ DIAPHRAGM



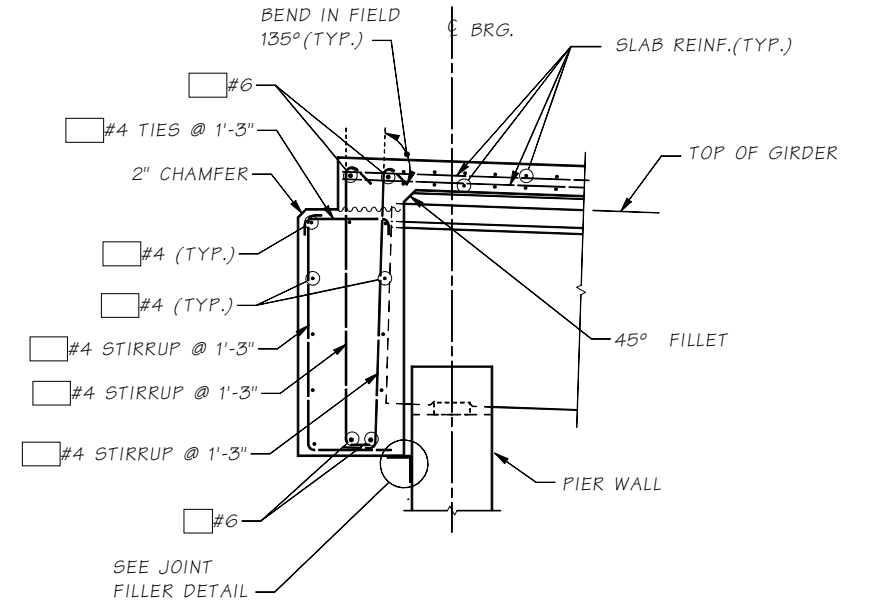
#### PLAN VIEW

### BUTYL RUBBER @ VERTICAL JOINTS

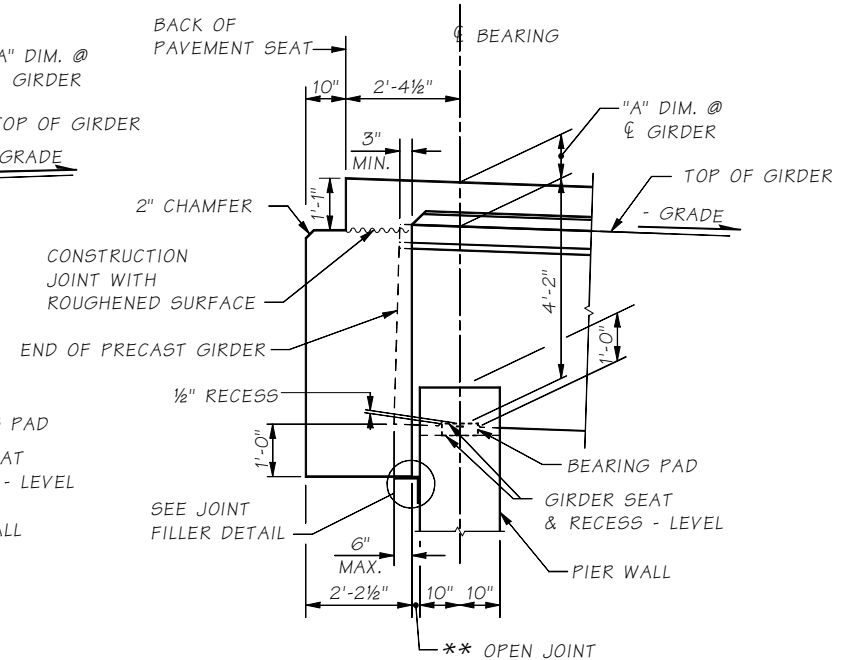
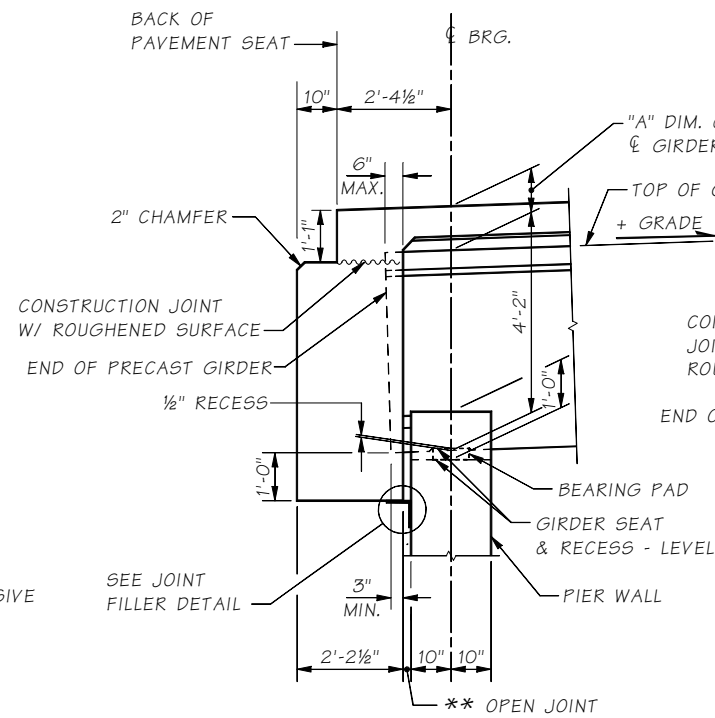
#### NOTE:

- GIRDERS SHALL BE HELD RIGIDLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
- REINFORCING BAR SHALL BE THREADED THROUGH HOLES IN GIRDERS PRIOR TO PLACING OF EXTERIOR GIRDERS. SEE PLANS FOR "TRAFFIC BARRIER" DIMENSIONS AND LOCATION. SEE "GIRDER DETAILS" SHEET FOR DIMENSION "A".

- END DIAPHRAGM MAY BE CAST ON GRADE. IF SO, THE UPPER LEG OF THE JOINT FILLER SHALL FORM THE BOTTOM FACE FULL WIDTH.
- JOINT FILLER TYPE 1 SHALL BE USED TO COVER ALL VERTICAL END DIAPHRAGM JOINTS. EITHER JOINT FILLER TYPE 1 OR JOINT FILLER TYPE 2 SHALL BE USED TO COVER ALL HORIZONTAL END DIAPHRAGM JOINTS.



#### SECTION F



### END DIAPHRAGM GEOMETRY

SECTIONS THROUGH END DIAPHRAGMS AT END PIERS  
SEE "GIRDER DETAILS" SHEET FOR DIMENSION "A".  
ALL LONGITUDINAL DIMENSIONS ARE NORMAL TO SKEW.

#### BRIDGE LENGTH

L ≤ 200  
200 < L ≤ 300  
300 < L ≤ 400  
L > 400

#### JOINT

\*\* = 1.5 IN.  
\*\* = 2.0 IN.  
\*\* = 2.5 IN.  
SPECIAL DESIGN

5.9-A5-6

SR JOB NO. SHEET

Bridge Design Engr.	M:\STANDARDS\Girders\PT Trapezoidal Tube\GIP PT TRAPEZOIDAL TUB END DIA ON TUB.MAN	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor		10	WASH.			
Designed By						
Checked By						
Detailed By						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		

Tue Apr 29 13:49:59 2008

BRIDGE  
AND  
STRUCTURES  
OFFICE



Washington State  
Department of Transportation

STANDARD  
PRESTRESSED CONCRETE GIRDERS

TRAPEZOIDAL TUB G-I-P DECK PANEL GIRDER  
- END DIAPHRAGM ON GIRDER DETAILS

BRIDGE  
SHEET  
NO.  
SHEET  
OF  
SHEETS